

Proximity sensor SDBC-MSB-1L-NU-K-2-LE

Part number: 8139724

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Design	For C-slot
Conforms to standard	EN 60947-5-2
Symbol	00991149
Approval	RCM
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
KC mark	KC-EMV
Special characteristics	Oil-resistant
Note on materials	RoHS compliant Free of halogen Copper-free
Instructions on use	Cable flame-protected and flame-retardant as per UL Standard 758 Horizontal Flame Test, does not comply with fire protection to IEC 61010-1:2017, Edition 3.1, Section 9.3.
Variants	Metals with copper, zinc or nickel by mass as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils.
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-20 °C ... 70 °C
Repetition accuracy	0.2 mm
Switching output	NPN
Switching element function	N/O contact
Switch-on time	≤2.5 ms
Switch-off time	≤2.5 ms
Max. switching frequency	480 Hz
Max. output current	100 mA
Max. switching capacity DC	3 W
Voltage drop	≤0.5 V
Short circuit current rating	No
Overload protection	No
Rated operational voltage DC	24 V
Operational voltage range DC	10 V ... 30 V
Reverse polarity protection	For all electrical connections
Electrical connection 1, connection type	Cable
Electrical connection 1, connector system	Open end

Feature	Value
Electrical connection 1, number of connections/cores	3
Connection outlet orientation	In-line
Material screw-type lock	High-alloy stainless steel
Cable length	2 m
Cable characteristic	Standard Suitable for energy chains
Material cable sheath	PUR
Material insulating sheath	PP
Wire ends	Cut off bluntly
Type of mounting	Screw-clamped Insertable in the slot from above
Max. tightening torque	0.2 Nm
Mounting position	Any
Product weight	18.5 g
Material housing	Makrolon®
Switching status indication	Yellow LED
Ambient temperature with moving cable	-20 °C ... 70 °C
Degree of protection	IP67 IP68 To IEC 60529
LABS (PWIS) conformity	VDMA24364 zone III
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Cleanroom suitability, measured according to ISO 14644-14	Element installed statically, no meaningful evaluation possible according to ISO 14644-1